Volume 65—Contents

NO. 1. JANUARY 1985

1 Maternal and Fetal Responses to Exercise During Pregnancy
Frederik K. Lotgering, Raymond D. Gilbert, and Lawrence D. Longo

37 Current Source-Density Method and Application in Cat Cerebral Cortex: Investigation of Evoked Potentials and EEG Phenomena
U. Mitzdorf

101 Effect of Anoxia on Ion Distribution in the Brain
Anker Jon Hansen

149 Effects of Thermal Stress and Exercise on Blood Volume in Humans
Michael H. Harrison

NO. 2. APRIL 1985

211 Intestinal Chemosensitivity
Noel Mei

238 Absorption, Transport, and Hepatic Metabolism of Copper and Zinc: Special Reference to Metallothionein and Ceruloplasmin
Robert J. Cousins

310 Membrane Changes in Cells From Myotonia Patients
Reinhardt Rüdel and Frank Lehmann-Horn

357 Metabolism During Fetal Life: A Functional Assessment of Metabolic Development
Colin T. Jones and Timothy P. Rolph

431 Renal Handling of Phosphate
Cynthia L. Mizgala and Gary A. Quamme

467 Thermodynamic Analysis of Muscle ATPase Mechanisms
Takao Kodama

NO. 3. JULY 1985

553 Biochemistry of Peptide-Secreting Neurons
Jeffrey D. White, Kim D. Stewart, James E. Krause, and Jeffrey F. McKelvy

607 Role of Selected Nutrients in Synthesis, Accumulation, and Chemical Modification of Connective Tissue Proteins
Donald Tinker and Robert B. Rucker

658 Concept of Natriuretic Hormone
H. E. de Wardener and E. M. Clarkson

760 Ion Transport Mechanisms in Thick Ascending Limb of Henle's Loop of Mammalian Nephron
R. Greger

NO. 4. OCTOBER 1985

799 Physiology of Cold Tolerance in Insects
Karl Erik Zachariassen

833 Ionic Channels in Epithelial Cell Membranes
Willy Van Driessche and Wolfgang Zeiske
904 Ion Transport Across Plasma Membrane in Primary Hypertension
Yuvenali V. Postnov and Sergei N. Orlov
946 Biochemical Effects of Corticosteroids on Neural Tissues
Jerrold S. Meyer
1021 Index